TECHNICAL DATA SHEET

17/07/2023 Ref. 00000000

Preslia

High performance turbine mineral oil

APPLICATIONS

- **Preslia** oils are specially designed for the lubrication of hydraulic, steam, or gas turbines. They can also be used in centrifugal compressors or turbochargers.
- **Preslia** provides long drain intervals, simplified maintenance, operational reliability.

ADVANTAGES

- High oxidation resistance, antifoam, air, and water release performances.
- High antiwear properties allowing the lubrication of the gearboxes driven by the turbine.
- Excellent antirust and anticorrosion properties.
- Superior hydrolysis stability and filterability (with or without water) making Preslia suitable for hydraulic applications.

SPECIFICATIONS

- ISO 6743-5 THA/THE/TSA/TSE/TGA/TGB/TGE/TGSB
- ISO 8068 (ISO VG 32 & 46)
- ASTM D 4304 - type I & II
- DIN 51515 Parts I & II
- JIS K2213 type 2 w/add
- China National Standard GB 11120-2011 L-TSA

APPROVALS

Meets or exceeds the following specifications:

- ALSTOM HTGD 90 117
- ALSTOM HYDRO HTWT 600050
- GENERAL ELECTRIC GEK 27070/28143/46506/101941/32568/107395
- SIEMENS TLV 901304 & TLV 901305 –
- SIEMENS TURBO AB MAT 812101/02/06/07/08/09
- SIEMENS TURBOMACHINARY 1CW0047915
- SOLAR ES 9-224W Class II
- ANSALDO TG02-0171
- SKODA, TURBINY PLZEN
- FUIJI ELECTRIC Steam Turbine
- TOSHIBA Steam Turbine

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: https://lubricants.totalenergies.com
This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from https://sdstotalms.total.com

TotalEnergies Lubrifiants
SA 552 006 454 RCS Nanterre - France

TECHNICAL DATA SHEET

17/07/2023 Ref. 00000000

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Preslia			
			32	46	68	100
Density at 15°C	kg/m^3	ISO 3675	853	857	860	886
Viscosity at 40°C	mm^2/s	ISO 3104	32	46	68	100
Viscosity at 100°C	mm^2/s	ISO 3104	5.48	6.94	9.01	11.4
Viscosity index	-	ISO 2909	107	107	107	100
Flash point	°C	ISO 2592	218	230	240	250
Pour point	°C	ISO 3016	-15	-15	-12	-9
Air release	Min	ASTM D 3427	2	3	5	10
Air Demulsibility	Min	ISO 6614	5	5	<10	<10
Foaming Seq. I @ 24 °C Seq. II @ 93 °C Seq. III @ 24 °C after 93 °C	ml/ml	ISO 6247	 10/0 10/0 10/0	 10/0 10/0 10/0	 20/0 30/0 20/0	 30/0 40/0 30/0
TOST	H	ASTM D-943	>10000	>10000	>7000	>7000
RVPOT	Min	ASTM D 2272	2000	2000	1900	600
FZG	Fail stage	ISO 14635-1	≥ 8	≥ 9	≥ 10	≥ 11

afaq ISO 9001 Qualité AFNOR CERTIFICATION

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: https://lubricants.totalenergies.com
This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from https://sdstotalms.total.com

TotalEnergies Lubrifiants
SA 552 006 454 RCS Nanterre - France